

IN THE ABSTRACT

On page 25, please amend the paragraph as follows:

The peristaltic rotation pump, ~~which is according to the invention based on the fact, that~~ includes the pump segment (1) ~~extends~~ extending along the working path (24), which is transversely grooved at the place of contact with the compressed pump segment (1), and is adjacent along all its length to an elevated circular supporting occlusal path (3), for rolling of pressure rollers (4). The working path (24) ~~consists of~~ includes a lead-in path (15), occlusal path (2) and releasing path (16). Mechanical linearity of dosing is ensured by a circular occlusal path (2) and the nearly circular releasing path (16), adjacent along all its length to the elevated supporting occlusal path (3) for rolling of at least three pressure rollers (4). The angle length of the releasing path (16) corresponding to the distance from the point of the beginning of releasing the pump segment (1) to the point of complete release of the pump segment (1) by the pressure roller (4) is identical with that of the occlusal path (2).